

## CURRICULUM VITAE

**TERRY A. CLYBURN, M.D.**

**Clinical Associate Professor, Baylor College of Medicine and The University of  
Texas Health Science Center at Houston**  
*Board Certified Orthopaedic Surgeon*

**DATE: November, 2008**

**CLINIC ADDRESS:** 5420 West Loop South, Suite 2400  
Bellaire, TX 77030  
713-357-4752  
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**HOME ADDRESS:** 2305 McClendon  
Houston, TX 77030  
(713) 664-5790

**DATE AND PLACE  
OF BIRTH:** February 1, 1952, Houston, Texas

**CITIZENSHIP:** United States of America

**EDUCATION:** S.F. Austin High School, Houston, Texas, 1970

The University of Houston  
4800 Calhoun Rd., Houston, TX 77004  
B.S., Biology, 1975

The University of Texas Medical Branch  
301 University Blvd., Galveston, TX 77555  
M.D., 1979

The University of Texas Health Science Center – Houston  
6431 Fannin, Houston, TX 77030  
Internship 1979-1980  
Program - General Surgery  
Program Director - Stan Dudrick, M.D.

The University of Texas Health Science Center - Houston  
Orthopaedic Surgery Residency Training Program, 1980-  
1984, Program Director - Taylor K. Smith, M.D.

**HONORS/AWARDS:** Dean's List 1971-1974

Magna Cum Laude Graduate

Institute for Surgical Pain Management (ISPM) 2000 Award for Excellence, first place for paper titled: "Continuous Femoral Blocks Improve Recovery and Outcome of Patients Undergoing Total Knee Replacement

Certificate of Merit with Excellence in Design, in recognition of the excellence of the Education Exhibit presented at the 86<sup>th</sup> Scientific Assembly and Annual Meeting of the Radiological Society of North America, November 26-December 1, 2000

Dean's Teaching Excellence Award, UT-Houston Medical School, 2002

Texas Monthly- Elected "Top Doctor" 2006 and 2008.

#### **COMMITTEES:**

##### ***Medical School***

Committee for Protection of Human Subjects Committee, Consultant, 2003-2007  
Faculty Senate Committee, 2003-2007  
MSRDP Board of Directors At-large Member, 2002-2007  
Continuing Medical Education Committee, 1999-2007  
Interviewer, Medical Student Applicants, 1997-2007

##### ***Department of Orthopaedic Surgery***

Research Committee, 1994-2007  
Orthopaedic Educational Council, 1997-present

#### **ACADEMIC APPOINTMENTS:**

The University of Texas Health Science Center at Houston  
Department of Orthopaedic Surgery

- Professor of Orthopaedics and Chief Joint Arthroplasty Section, September, 2010- present.
- Associate Clinical Professor, 2007-August, 2010
- Associate Professor, 2006-2007
- Assistant Professor, 1997-2006
- Medical Director of Research, 1997-present
- Director, Total Joint Research, 1997-present

Baylor College of Medicine- Associate Clinical Professor, 2007-Present

**PROFESSIONAL  
APPOINTMENTS:**

Oral Boards Examiner 1997-present  
Medical Director, Hermann Professional Building Office, 2003-2005.

**HOSPITAL  
AFFILIATIONS:**

Memorial Hermann Hospital, Active Staff, 1984-2008  
Lyndon B. Johnson General Hospital, Courtesy Staff,  
1996-2007

Texas Orthopedic Hospital, Courtesy Staff, 2002  
St. Luke's Episcopal Hospital, Courtesy Staff, 2003  
The Methodist Hospital, Active Staff, 2004  
Med Center Ambulatory Surgery Center, Active, 2005  
Foundation Surgical Hospital, Active, 2005.

**MEDICAL LICENSE:**

Texas F3846 (5/26/1979)

**BOARD CERTIFIED:**

Orthopaedic Surgery, 1986; Re-certified 1996, 2006

**PROFESSIONAL  
ORGANIZATIONS:**

*Local*

Harris County Medical Society (Houston, Texas)  
Houston Orthopaedic Society - President, 2006  
Texas Orthopaedic Society

*National*

American Academy of Orthopaedics Surgeons  
Infections Committee, 2004 to present  
National Quality Forum's Steering Committee for  
National Voluntary Consensus Standards  
for the Reporting of Healthcare-Associated  
Infection Data, 2006  
American Board of Orthopaedic Surgery, 1986;  
Re-certified 1996, 2006  
Oral Examiner, 2000 to present  
Western Orthopaedic Society Board Member,  
2003 to present  
American Academy of Hip and Knee Surgeons  
Member, Board of Directors  
Chairman, Industry & Technology Committee

**DEVELOPMENTS:**

Clyburn Dynamic Colle's Fixator, Zimmer, Inc., Patent 1986  
Clyburn Fracture Reduction Table, Patent 1999  
Advanced Colle's Fixator, Patent 1999  
Femoral Canal Bone Dry Device, Patent 1998  
Hip Vice Positioning Device- Patented

Antibiotic Microspheres- US Patent pending, foreign patents in affect.  
Minimal Invasive Surgery- all in one patella cutter.  
Design team; Bridge Hip System (Wright Medical Technology)  
Design team; MIS instrumentation total hip and total knee (Biomet).

**CURRENT GRANT SUPPORT:**

*Flexibility in Administration of Arixtra for Prevention of Symptomatic Venous Thromboembolism in Orthopedic Surgery*  
Primary Investigator, 2/2003 – 2/2004, \$22,500.

**PAST GRANT SUPPORT:** *Thromboprophylaxis with Low Molecular Weight Heparin (Fragmin) vs. Warfarin in Patients Undergoing Primary Total Knee Replacement*  
Primary Investigator, 5/2001 – 1/2002, Pharmacia, \$79,711.13.

*Hybrid Metal/Metal Total Hip Arthroplasty*  
Primary Investigator, Encore Orthopedics, 3/01/99 – 8/01/2001, \$12,000.

*“Continuous Femoral Blocks Improve Recovery and Outcome of Patients Undergoing Total Knee Replacement”*  
Institute for Surgical Pain Management (ISPM) 2000 Award for Excellence, Education/Research Grant, August 2000, \$10,000.

*A randomized, double-blind comparison of the efficacy and safety of hyland G-F 20 and saline in patients with osteoarthritis of the knee.*  
Primary Investigator, Wyeth-Ayerst, 4/99 – 4/2000, \$60,768.

*Resorbable ceramic bone cements as bone substitute materials: Evaluation using a critical-size defect in a sheep model.*  
Co-Investigator, Biomet, Inc., 9/98-12/00, \$157,362

*Fibrin glue in the reduction of bleeding of bone.*  
Primary Investigator, Centeon Co., 1/98 – 6/98, \$30,000.

*A comparison study of two cement injection techniques of the femur in ovine species.*

Primary Investigator, Innovative Global Orthopaedic Technology in Texas, 6/99 – 6/99, \$2,000.

**ONGOING RESEARCH INTERESTS:**

Clinical Studies in Evaluation of Total Knee and Hip Replacement, with specific interest in minimal incision techniques and metal on metal articulations.

Clinical Follow-up Hemophilia Joint Reconstruction.

In Vivo Evaluation of Controlled Tobramycin. Delivery Via Biodegradable Microspheres, with Drs. Gogola, Ambrose, Clanton, and Mikos.

A Biomechanical Analysis of Various Internal Fixation Techniques Including the Lone Star Plate vs. One-third Tubular Plate in a Cadaveric Mechanical Testing System, with Drs. Tucker, Criswell, Buckle, Coupe, Cohn, Clanton, Ambrose and Harrigan.

The Effects of Fibrin Glue on Blood Loss During Total Hip Arthroplasty in Dogs, with Drs. Ambrose, Harrigan, Gogola, Mancuso, and Cohn.

Functional Bracing of Bimalleolar Ankle Fractures - Early vs. Delayed Range of Motion, with Drs. Clanton and Ward.  
A Prospective Comparison of Dynamic vs. Static External Fixation for Colles Fractures: A Clinical Study, with Dr. Richard Beaver.

A New Cement Injector for Cementation of Femoral Component of Total Hip Arthroplasty, with Drs. Ambrose and Lavarro.

A New Cement Gun: A Disposable, One-Piece Mixing and Injection System.

Prospective, Double-Blind Study to Evaluate the Efficacy of Keratin Sulfate, Chondroitin Sulfate and Intraarticular Hyaluronic Acid on Cartilage Healing: A Rabbit Study,

with Drs. Clanton, Ambrose, Harrigan, and Gogola.

Computer-Aided Reconstruction of Malunited Fractures of the Distal Radius, with Drs. Lavarro, Kilagblian, and Ambrose.

The Kinematics of the Normal Fracture and Post-Dynamic External Fixated Wrists: A Stereophotogrametric Analysis of Helicalaxis, with Drs. Ambrose and Gogola.

A Prospective Study Utilizing Constrained Acetabulum Component in Problem Cases.

A Multi-Center Prospective Study of the Bridge Hip System with Richard Jones, M.D.

Multi-Center Hybrid-Metal/Metal Total Hip Study.

A Comparison of Two Cement Techniques Using Transesophageal Ultrasound.

PLGA/PEG Antibiotic Micro spheres: The Use of Vancomycin, Gentamicin, and Cephazolithin Containing Micro spheres in the Treatment of Osteomyelitis: An In Vitro Study.

Comparison of Total Knee Arthroplasty Position and Alignment Using Two Techniques; Standard Open Procedure with Alignment Guides vs. Minimal Incision Using an Infrared Navigation System: A Cadaveric Study.

Minimally Invasive Total Knee & Hip Replacement.

**PUBLICATIONS:**

Clyburn, T.A.: "Complications of the Use of Methylmethacrylate in Orthopaedic Surgery." The Medical Journal of St. Joseph Hospital, 7(1): 19-28, March 1982.

Clyburn, T.A., Lionberger, D.R., Tullos, H.S.: "Bilateral Fractures of the Transverse Processes of the Atlas." J Arthroplasty 1982 July; 64-A: 948.

Clyburn, T.A., Donovan, M.D.: "Atlantoaxial Instabilities in Children." The Medical Journal of St. Joseph Hospital, 19(2): 73-38, June 1984.

Clyburn, T.A.: "Dynamic External Fixation for Intra-Articular Comminuted Fractures of the Distal End of the Radius." J Arthroplasty 1987 Feb; 69-A (2):248-254.

Clyburn, T.A.: "Distal Radial Fractures - Traditional Treatment." External Fixation and Functional Bracing, Edited by Richard Coombs, Stuart Green and Augusto Sarmiento. Orthotext, Surrey, England. pp 167-171, 1989.

Reuben, J., Thomas, M., Charnov, J. and Clyburn, T.: "Femoral Fracture During Cementless Total Hip Arthroplasty." Transactions of the 37<sup>th</sup> Annual Orthopaedic Research Society, Volume 15, 1991.

Reuben, J., Thomas, M., Charnov, J. and Clyburn, T.: "Femoral Fracture During Cementless Total Hip Arthroplasty." Orthopaedic Transactions of the 58<sup>th</sup> Annual American Academy of Orthopaedic Surgeons, Volume 15, 1991.

Clyburn, T.A.; Hoots, W.K.; Oldfield, D.: "Cemented vs. Uncemented Knee Replacement in Hemophilia: A Study of the Effect on Blood Loss." Revista de Ortopedia y Traumatologia, 38:IB, 1994.

Clyburn, T.A.: "Revision Total Knee: Removal of Implants," in Rosenberg, A.G., Mabrey, J.D., Woolson, S.T., et al, (eds): The Arthritic Knee, Rosemont, IL, American Academy of Orthopaedic Surgeons, 2000.

Clyburn, T.A.: "Total Knee: Infection, Etiology, Pathogenesis, and Pathophysiology," in Rosenberg, A.G., Mabrey, J.D., Woolson, S.T., et al, (eds): The Arthritic Knee, Rosemont, IL, American Academy of Orthopaedic Surgeons, 2000.

Chelly, J. E., Greger, J., Gebhard, R., Coupe, K., Clyburn, T. A., Buckle, R. and Criswell, A.: "Continuous Femoral Blocks Improve Recovery and Outcome of Patients Undergoing Total Knee Replacement," The Journal of Arthroplasty, Vo. 16 No. 4, 2001.

Clyburn, T.A., Weitz-Marshall, A., and Ambrose, C.G.: "Constrained Acetabular Cups: A Cadaveric

Biomechanical Evaluation.” J Arthroplasty, 18(4):466-70, Jun 2003.

Ambrose CG, Gogola GR, Clyburn TA, Raymond AK, Peng AS, and Mikos AG. Antibiotic Microspheres: Preliminary Testing for Potential Treatment of Osteomyelitis, *Clinical Orthopaedics and Related Research*, 415:1-7, 2003.

Ambrose, CG, Clyburn, TA, Louden, K, Joseph, J, Wright, J, Gulati, P, Gogola, GR, Mikos, GA. Effective treatment of osteomyelitis with biodegradable microspheres in a rabbit model. *Clinical Orthopaedics and Related Research*, 421: 293-299, 2004.

Sheth, D.S., Oldfield, D., Ambrose, C., Clyburn, T.: “Total Knee Arthroplasty in Hemophilia Total knee arthroplasty in hemophilic arthropathy.” J Arthroplasty. 2004 Jan;19(1):56-60.

Clyburn TA, “Timing of Prophylactic Antibiotics in TJA, AAOS Bulletin, August 2005.

Clyburn T.A., Weitz-Marshall, A, Ambrose, CM, Ursua, V; Outcomes of patellofemoral replacement in total knee arthroplasty using meticulous techniques. *Orthopedics*. 2007 Feb;30(2):111-5.

Clyburn TA, Cui Q, “Antibiotic laden cement; current state of the art, AAOS NOW, May, 2007.

Surgical Site Infection Prevention and Control, An Emerging Paradigm. *JBJS Am* 2009 Nov; 91 Suppl 6:2-9.

Prevention of Infection in Orthopaedics- Intra-Operative Considerations, Instr Course Lectures, AAOS \*in print; primary author on one chapter and co-author on three.

Fall Prevention in Elderly Patients, *Journal of AAOS*, In print.

**PRESENTATIONS:**

"Methylmethacrylate."  
Clyburn, T.A. and Smith, T.K.,  
Annual Edward T. Smith Orthopaedic Lectureship, 1981.

"A New Technique of Intramedullary Rodding in Osteogenesis Imperfecta." Robertson, D.B., Moor, T.O., and Clyburn, T.A., Tenth Annual Shrine Lectureship (Houston), 1982.

"Adamantinoma - Limb Salvage Procedures."  
Clyburn, T.A., Murray, J.M., Ayala, A. Western Orthopaedic Association Annual Meeting, 1983.

"Atlantoaxial Instability in Children."  
Clyburn T.A. and Donovan, M.D.  
Cervical Spine Research Society, Palm Beach, Florida, 1983.

"Dynamic External Fixation in the Treatment of Fractures of the Distal Radius." Scientific Exhibit, AAOS, Atlanta, Georgia, 1984.

"Chondroblastoma."  
Clyburn, T.A. and Murray, JA.  
Annual Edward T. Smith Orthopaedic Lectureship, 1984.

"Osteoblastoma - The M.D. Anderson Experience."  
Annual Edward T. Smith Orthopaedic Lectureship, 1984.

"Dynamic External Fixation of Fractures of the Distal Radius." AAOS, Las Vegas, Nevada, 1985.

"Dynamic External Fixation of Fractures of the Distal Radius." Eleventh International Conference on Hoffman External Fixation, Toronto, Ontario Canada, September 20, 1985.

"The Clyburn Dynamic Colles Fixator," Madrid, Spain, June 7-8, 1993

"State of Total Joint Replacement in 1986."  
St. Joseph Hospital Surgery Grand Rounds, Houston, Texas, April 3, 1986.

"How to Live with Arthritis." Television Program on the Public Broadcasting System (Channel 8). Houston, Texas 1986.

"Resection of Bone Tumors." Eighth Annual St. Lukes Orthopaedic Pathology Lectureship, Houston, Texas, December 12-13, 1986.

"Dynamic External Fixation of Fractures of the Distal Radius." Presented to the Royal Postgraduate Medical School, London, England, September 2-4, 1987.

"Dynamic External Fixation of Fractures of the Distal Radius." Zimmer Conference Vail, Colorado, March 24, 1988.

"A Comparison of Curved and Straight Long Stem Revision Prostheses." Biomet Conference Vail, Colorado, March 23-25, 1988.

"Dynamic External Fixation of Fractures of the Distal Radius." Presented to the Conference on Upper Extremity Trauma, University of Toronto, Toronto, Ontario Canada, September 23-24, 1988.

"Total Joint Replacement - State of the Art"  
Presented Quarterly to The University of Texas Medical Health Science Center – Houston

"Dynamic External Fixation of Fractures of the Distal Radius." The University of Texas Medical Branch at Galveston, Grand Rounds, Galveston, Texas, May 24, 1989

"Dynamic External Fixation of Fractures of the Distal Radius." Conference on Utilization of External Fixation in Orthopaedics and Traumatology. Madrid, Spain, March 28-30, 1990

"Preoperative Planning and Evaluation." Johnson and Johnson Conference. Hilton Head, S.C., May 9-13, 1990.

"Problems of Flexion." Johnson and Johnson Conference. Hilton Head, S.C., May 9-13, 1990.

"Blood Conservation Techniques." Depuy Conference on

Current Concepts in Revision Total Hip Replacement.  
Houston, Texas, June 1 & 2, 1990.

"Radiographic Analysis of Acetabular Failures"  
Depuy Conference on Current Concepts in Revision Total  
Hip Replacement. Houston, Texas, June 1 & 2, 1990.

"Orthopaedic Matters Affecting Older Women"  
Ecumenical Older Adult Program, Houston, Texas,  
March 19, 1993.

"Arthritis," Center City Rotary Club, Houston, Texas,  
April 14, 1993

"The Clyburn Dynamic Colles Fixator"  
Zimmer Inc., Madrid, Spain, June 7-8, 1993

"Hip and Knee Prostheses,"  
Family Practice Residency Program at St. Joseph Hospital  
Houston, Texas, February 14, 1996

"Orthopaedic Management in Hemophilia,"  
The University of Texas Health Science Center at Houston,  
Grand Rounds, Houston, Texas, April 25, 1996

Orthopaedic Management of Hemophilia,  
University of Jamaica, Kingston, Jamaica, May 9, 1996

"Basic Fractures," Family Practice Residency Program at  
St. Joseph Hospital, Houston, Texas, May 21, 1996

"Improvements in Cement Techniques for Femoral  
Components of Total Hip Arthroplasty," The University of  
Texas Health Science Center at Houston, Grand Rounds,  
Houston, Texas, April 17, 1997

"Dynamic External Fixation of Colles' Fractures: Twelve  
years of Clinical Experience and New Studies of  
Kinematics of the Wrist," The University of Texas Health  
Science Center at Houston, Grand Rounds, Houston,  
Texas, April 17, 1997

"Improvements in Cement Techniques for Femoral

Components of Total Hip Arthroplasty,” Texas Orthopaedic Association Scientific Program, Houston, Texas, May 16-17, 1997

“Dynamic External Fixation of Colles’ Fractures: Twelve years of Clinical Experience and New Studies of Kinematics of the Wrist,” Texas Orthopaedic Association Scientific Program, Houston, Texas, May 16-17, 1997

“A New Technique of Maintaining a Dry Femoral Canal During Cement Insertion for Total Hip Arthroplasty” Southern Orthopaedic Association 14<sup>th</sup> Annual Meeting Pebble Beach, California, July 24-26, 1997

“Soft Tissue Tension and Balance: The Key to Shoulder Arthroplasty,” U. T. - Edward T. Smith Lectureship Houston, Texas, November 7, 1997

“Patella Alignment in Total Knee Arthroplasty” and “Cemented vs. Uncemented Tibial Stem with Cemented Tray in Total Knee Arthroplasty,” Advances in Total Joint Arthroplasty, Wright Medical Snowmass, CO, January 22-24, 1998

“Severe Fractures of the Distal Radius & Update” Grand Rounds – The University of Texas Health Science Center at Houston, Houston, Texas, April 30, 1998

“Dynamic External Fixation Radius Fractures,” International Complex Distal Radius Course, San Francisco, CA, May 8-10, 1998

Chairman and Moderator, “Chondrocytes Cartilage Transplantation” The University of Texas Health Science Center at Houston Houston, TX, May 16, 1998

“Total Hip Arthroplasty,” Nanjing University Hospital Nanjing, P.R., China, June 26, 1998

“Total Hip Arthroplasty,” Nanfang Hospital of the First Military Medical University, Guangzhou, P.R. China, June 30, 1998

“Preliminary Findings of Fibrin as a Hemostatic Agent for Bone” Beriplast-P Surgery Advisory Board, Colorado Springs, CO, July 17-18, 1998

“Living with Arthritis,” Arthritis Foundation South Texas Chapter, River Oaks Country Club, Houston, TX , September 23, 1998

“Cadaveric and Clinical Study of Colles Fracture Fixation Utilizing a Mechanical Reduction Device” Poster Presentation, The University of Texas Health Science Center at Houston Research Day, October 2, 1998

“A Comparative Study of Two Cement Techniques of the Femur,” Poster Presentation, The University of Texas Health Science Center at Houston, Research Day, October 2, 1998

“The Effect of Fibrin Glue on Blood Loss During Total Hip Arthroplasty in Dogs,” Poster Presentation, The University of Texas Health Science Center at Houston, Research Day, October 2, 1998

“Evaluation of the Efficacy of Glucosamine, Chondroitin Sulfate and Hyaluronic Acid on Cartilage Healing, Poster Presentation, The University of Texas Health Science Center at Houston, Research Day, October 2, 1998

“A New Biodegradable Vehicle for antibiotic Delivery for Osteomyelitis,” Poster Presentation, The University of Texas Health Science Center at Houston, Research Day, October 2, 1998

“Long-Term Results of Cemented Tibial Components of TKA: A Comparison of Cemented vs. Uncemented Stems,” Poster Presentation, The University of Texas Health Science Center at Houston, Research Day, October 2, 1998

“Long-Term Results of Cemented Polyethylene Patella in TKA; Utilizing Meticulous Technique,” Poster Presentation, The University of Texas Health Science Center at Houston, Research Day, October 2, 1998

“Improved Techniques in Cemented Total Hip Arthroplasty,”

Egyptian Orthopaedic Association,  
Cairo, Egypt, November 16-19, 1998

“The Treatment of Complicated Distal Radial Fractures,”  
Egyptian Orthopaedic Association,  
Cairo, Egypt, November 16-19, 1998

“Clinical Correlation: Lower Extremity Orthopaedics,”  
Gross Anatomy Course, The University of Texas Health  
Science Center at Houston, Houston, TX,  
November 25, 1998

“A Comparative Study of Two Cement Techniques of the  
Femur” Poster Presentation, American Academy of  
Orthopaedic Surgeons 66<sup>th</sup> Annual Meeting, Anaheim,  
CA, February 4-8, 1999

“Cadaveric and Clinical Study of Colles Fracture  
Fixation Utilizing a Mechanical Reduction Device,”  
Scientific Exhibit, American Academy of Orthopaedic  
Surgeons 66<sup>th</sup> Annual Meeting,  
Anaheim, CA, February 4-8, 1999

“Cadaveric and Clinical Study of Colles’ Fracture  
Fixation Utilizing a Mechanical Reduction Device,” Mid-  
America Orthopaedic Association Seventeenth Annual  
Meeting, Southampton Princess, Bermuda,  
April 14-18, 1999.

“Management of Supracondylar Fractures of the Distal  
Femur,” Total Joint Arthroplasty, Current Issues,  
Concepts and Considerations, Kiawah, Island, S.C.,  
September 24-25, 1999.

“Hyaluronic Acid and Chondroitin Sulfate,” Total Joint  
Arthroplasty, Current issues, Concepts and  
Considerations, Kiawah, Island, S.C.,  
September 24-25, 1999.

“A Comparative Study of Two Cement Techniques of the  
Femur,” Southern Medical Association 93<sup>rd</sup> Annual  
Scientific Assembly, Dallas, Texas,  
November 10-14, 1999.

“Cadaveric and Clinical Study of Colles Fracture  
Fixation Utilizing a Mechanical Reduction Device,”

Southern Medical Association 93<sup>rd</sup> Annual Scientific Assembly, Dallas, TX, Nov. 10-14, 1999.

“Anatomy of the Lower Extremity,”  
Peripheral Nerve Block Course, Department of Anesthesiology, of Texas-Houston Medical School, Houston, TX, October 7, 1999.

"Total Hip Arthroplasty - State of the Art "Program Director, Edward T. Smith Orthopaedic Lectureship The University of Texas-Houston Medical School, Houston, TX, November 5, 2000.

"The Status of Total Joint Replacement"  
Grand Rounds, The University of Texas-Houston Department of Family Practice, Houston, TX, February 23, 2000

“Total Joint Replacement” Uniformed Services Family Health Plan (USFHP) Health Fair, St. Joseph Hospital, Houston, TX, January 29, 2000

“The Status of Total Joint Replacement”  
The University of Texas Health Science Center, Family Practice Grand Rounds, Houston, TX, February 23, 2000

“PLGA/PEG Microspheres as an Antibiotic Delivery System” 46<sup>th</sup> Annual Meeting of the Orthopaedic Research Society, Orlando, FL, March 11-14, 2000.

“Arthritis Awareness and Disease Management”  
The Jewish Community Center on behalf of the Arthritis Foundation, Houston, TX, April 14, 2000

“Current Trends in Calcar Replacement,” The Spectrum of Orthopaedics, Trauma and Spine, Hilton, Head, SC, April 13-15, 2000

“Orthopaedic Management in Hemophilia”  
The University of Texas Health Science Center, Department of Orthopaedics Grand Rounds, Houston, TX, September 28, 2000

“Comparison of Microspheres with PMMA Cement as an Antibiotic Carrier for the Treatment of Osteomyelitis”

The University of Texas Health Science Center, 6<sup>th</sup> Annual Research Day, October 6, 2000

“Use of Tobramycin-containing Resorbable Microspheres in the Treatment of Staphylococcal Osteomyelitis in the Rabbit Model,” The University of Texas Health Science Center, 6<sup>th</sup> Annual Research Day, October 6, 2000

“Principles of Revision Total Knee Arthroplasty,”  
Techniques in Total Joint Replacement ,Memphis, TN,  
June 29, 2001

“Revision TKA Surgical Skills Demonstration,”  
Techniques in Total Joint Replacement, Memphis, TN,  
June 29, 2001

“Creaking & Popping: Joint Replacement,” Mini Medical School Series 2001: Living Well, Houston, TX, September 25, 2001

“Advances in Revision TKA,” The University of Texas Health Science Center, Department of Orthopaedics Grand Rounds, Houston, TX, September 27, 2001

“Radiosynovectomy in Hemophilia,” Annual Gulf States Hemophilia Conference Houston, TX, May 4, 2002

“Update of Orthopaedic Options in Arthritis Treatment,”  
The University of Texas Health Science Center, Family Practice Grand Rounds, Houston, TX, August 28, 2002

“Human Knee Osteoarthritis: An Exploration of Gene Expression Using DNA Microarrays” CR2003 Meetings, Baltimore, Maryland, March 13-16, 2003

“Orthopaedic Treatment of Rheumatoid Arthritis”  
The Jewish Community Center, Houston, TX,  
March 22, 2003

“Make No Bones About It – Use it or Lose It” Annual Assistants Luncheon, The University of Texas Health Science Center at Houston, Houston, TX, June 26, 2003

“When to Refer For Total Joint Arthroplasty,” Grand Rounds, Internal Medicine, Lyndon B. Johnson General

Hospital, Houston, TX, October 3, 2003

“Difficult Problems in Total Joint Arthroplasty,” NAON (National Association of Operating Room Nurses), Houston, TX, October 6, 2003

"Constrained Acetabulum; a Biomechanical Cadaveric Study," Western Orthopaedic Association 67<sup>th</sup> Annual Scientific Meeting, San Antonio, TX, October 17-22, 2003

"PLGA Antibiotic Microspheres in the Treatment of Osteomyelitis" Western Orthopaedic Association 67<sup>th</sup> Annual Scientific Meeting, San Antonio, TX, October 17-22, 2003

"Comparison of Two Cement Techniques - New Suction Injection Device," *poster presentation*, Western Orthopaedic Association 67<sup>th</sup> Annual Scientific Meeting, San Antonio, TX, October 17-22, 2003

“Isotopic Synovectomies,” Region VI Annual Hemophilia Providers Meeting Houston, TX, February 5-8, 2004

“Total Hip Replacement – Component Design”  
Sub-Specialty Conference, UT Department of Orthopaedic Surgery  
The University of Texas Health Science Center at Houston  
Houston, Texas, February 26, 2004

“Total Hip Arthroplasty – Demand Matching – Choosing the Implant”  
Sub-Specialty Conference, UT Department of Orthopaedic Surgery  
The University of Texas Health Science Center at Houston  
Houston, Texas, March 18, 2004

“Total Joints: Osteonecrosis”  
Sub-Specialty Conference, UT Department of Orthopaedic Surgery  
The University of Texas Health Science Center at Houston  
Houston, Texas, April 15, 2004

“Total Joints: The Treatment of the Infected Total Joint”  
Sub-Specialty Conference, UT Department of Orthopaedic Surgery  
The University of Texas Health Science Center at Houston  
Houston, Texas, May 20, 2004

“Total Joints: Dislocation of the Total Hip”  
Sub-Specialty Conference, UT Department of Orthopaedic Surgery

The University of Texas Health Science Center at Houston  
Houston, Texas, June 17, 2004

“Pre-Op Planning: Total Knee/Total Hip”  
Grand Rounds, UT Department of Orthopaedic Surgery  
The University of Texas Health Science Center at Houston  
Houston, Texas, June 17, 2004

“Total Joints: Osteolysis & Aseptic Loosening”  
Sub-Specialty Conference, UT Department of Orthopaedic Surgery  
The University of Texas Health Science Center at Houston  
Houston, Texas, July 15, 2004

“Total Joints: Results – Total Hip Arthroplasty”  
Sub-Specialty Conference, UT Department of Orthopaedic Surgery  
The University of Texas Health Science Center at Houston  
Houston, Texas, August 19, 2004

“Total Joints: Revision Total Hip”  
Sub-Specialty Conference, UT Department of Orthopaedic Surgery  
The University of Texas Health Science Center at Houston  
Houston, Texas, September 23, 2004

“Updates in Total Joint Replacement”  
Grand Rounds, General Medicine  
The University of Texas Health Science Center at Houston  
Houston, Texas, September 28, 2004

“A Comparative Study of Imageless Navigation vs. Mechanical  
Alignment in Total Knee Arthroplasty: A Cadaveric Study”  
Western Orthopaedic Association 68<sup>th</sup> Annual Scientific Meeting  
San Francisco, California, September 29–October 2, 2004

“Weight Bearing on an Uncemented Total Hip Arthroplasty: A  
Prospective Comparison of Weight Bearing as Tolerated vs. Touch  
Down Only by Subsidence Measurement”  
Western Orthopaedic Association 68<sup>th</sup> Annual Scientific Meeting  
San Francisco, California, September 29–October 2, 2004

“Total Joints: Knee – Anatomy/Biomechanical/Approaches”  
Sub-Specialty Conference, UT Department of Orthopaedic Surgery  
The University of Texas Health Science Center at Houston  
Houston, Texas, October 21, 2004

“Minimally-Invasive Surgery: Total Hip”  
Biomet Learning Center

Los Angeles, California, October 22-23, 2004

“Minimally-Invasive Surgery: Total Knee”  
Biomet Learning Center  
Los Angeles, California, October 22-23, 2004

“The Use of an Infrared-Based Navigation System in Total Knee Arthroplasty”  
48<sup>th</sup> Annual Edward T. Smith Lectureship  
The University of Texas Health Science Center at Houston  
Houston, Texas, November 4, 2004

“Total Joints: Anesthetic Considerations”  
Sub-Specialty Conference, UT Department of Orthopaedic Surgery  
The University of Texas Health Science Center at Houston  
Houston, Texas, November 18, 2004

“Total Joints: Knee Ligament Balancing the Holy Grail”  
Sub-Specialty Conference, UT Department of Orthopaedic Surgery  
The University of Texas Health Science Center at Houston  
Houston, Texas, December 16, 2004

“Total Joints: Knee – Osteotomies/Other Lesser Surgeries”  
Sub-Specialty Conference, UT Department of Orthopaedic Surgery  
The University of Texas Health Science Center at Houston  
Houston, Texas, January 20, 2005

“Constrained Acetabular Liner”  
Advances in Hip & Knee Arthroplasty  
Washington, D.C., April 22-23, 2005

“Computer-Assisted TKR – The Basics”  
Advances in Hip & Knee Arthroplasty  
Washington, D.C., April 22-23, 2005

“Orthopaedic Review Lecture”  
Family Practice Board Review  
Cancun, Mexico, May 4, 2005

“Mini Mid-Vastus Approach in TK Arthroplasty”  
Tissue-Sparing Treatment of Degenerative Joint Disease  
The Institute of Orthopedic Research and Education and  
The Methodist Hospital  
Houston, Texas, October 6 – 8, 2005

“Minimally Invasive – Posterior Approach”

“Preoperative Evaluation of the Failed THR”  
“Correcting Flexion Contractures”  
Advances in Hip and Knee Arthroplasty Course  
Rio Grande, Puerto Rico, January 19 – 21, 2006

Poster Presentation:

“Current Trends and Hot Topics in Infection Prevention, Treatment  
and Surveillance”  
American Academy of Orthopaedic Surgeons Annual Meeting  
Chicago, Illinois, March 22 – 26, 2006

“Orthopaedic Review Lecture”  
Family Practice Board Review  
Cancun, Mexico, June 12, 2006

“Use of Bone Graft Substitutes in Joint Replacement”  
The 50<sup>th</sup> Annual Edward T. Smith Orthopaedic Lectureship  
Houston, Texas, October 28, 2006

“Prevention of Surgical Site Infections in Total Joint Arthroplasty”  
TMF Health Quality Institute Conference  
Surgical Care Improvement Project – Learning Session III  
Austin, Texas, November 10, 2006

“Current Trends and Hot Topics in Infection Prevention, Treatment  
and Surveillance”  
American Academy of Orthopaedic Surgeons Annual Meeting  
San Diego, California March 22 – 26, 2007.

“A comparative study of fracture resistance of single vs. three peg  
patella in total knee replacement- a cadaveric biomechanical  
study”. American Academy of Orthopaedic Surgeons Annual  
Meeting  
San Diego, California March 22 – 26, 2007.

University of Texas at San Antonio Orthopaedic Resident Review  
Course. San Antonio, 4/13-15-2007. “Prevention and  
treatment of infection in total joint arthroplasty”

Texas Orthopaedic Meeting presented by Biomet, Horseshoe Bay  
Texas, 4/27/2007. Moderator and presenter. “Metal on metal  
total hip arthroplasty with large femoral heads”

Emory University, Department of Orthopaedics Grand Rounds.

“Prevention and Treatment of Infection in Total Joint Arthroplasty”.

- The Methodist Hospital, Division of Total Joints Replacement, “Alternate Bearing Surfaces in Total Joint Arthroplasty”, 2/2008.
- Scientific Exhibit, Update of Community and Hospital Associated MRSA Infections for the Orthopaedist, AAOS, San Francisco, 2008.
- Update on the Orthopaedic Aspects of Hemophilia, Webinar of the National Hemophilia Foundation, July 23<sup>rd</sup>, 2008.
- Makoplasty, Bellaire Civic Club, August 11<sup>th</sup>, 2008.
- Actualizaciones en Artroplastia de cadera, International Conference on Orthopaedics, Septiembre, 2008.
- Remplaxo total y uni-compartamental de rodilla, International Conference on Orthopaedics, Septiembre, 2008.
- Remplaxo total de hombro, International Conference on Orthopaedics, Septiembre, 2008.
- Unicompartmental Knee Replacement, Houston Area Radiologic Technicians Society, October 18<sup>th</sup>, 2008.
- Effects of Modularity on Stability of Total Hip Arthroplasty, Friday Symposia, American Association of Hip and Knee Surgeons, November 7<sup>th</sup>, 2008.
- Scientific Exhibit American Academy of Orthopaedic Surgeons; Hot Topics in Infection Prevention, February, 2009
- Instructional Course Lecture, American Academy of Orthopaedic Surgeons, Surgical Site Infection Prevention, February, 2009.
- Identification of Causative Bacteria in Osteomyelitis Using RapiC and Sensitive 16SrDNA Detection, Orthopedic Research Society, Las Vegas, February, 2009.
- Treatment of Unicompartmental Knee Disease, Academia Mexicana De Orthopedia Colegio Medico, AC. Monterrey MX, March, 2009.
- Prevention of Infection in Total Joint Arthroplasty, Academia Mexicana De Orthopedia Colegio Medico, AC. Monterrey MX, March, 2009.
- Bearing Surface Options in Total Hip Arthroplasty, Academia Mexicana De Orthopedia Colegio Medico, AC. Monterrey MX, March, 2009.
- Modularity in Total Hip Arthroplasty, Academia Mexicana De Orthopedia Colegio Medico, AC. Monterrey MX, March, 2009.
- Prevention of Infection in Total Joint Arthroplasty. St Louis Orthopaedic Association, University of Missouri, October, 2009.
- Patient Specific Knee Arthroplasty Based on Pre-Operative Imaging.

27<sup>th</sup> Annual Meeting, Southern Orthopaedic Association.  
June 16-19, 2010  
Patient Specific Knee Arthroplasty Based on Pre-Operative Imaging  
San Antonio Orthopaedic Society, June, 2010  
Prevention of Infection in Orthopaedic Procedures. University of  
Texas at Houston, Department of Orthopaedics, Grand  
Rounds, September, 2010.

**RECURRING RESIDENT TEACHING-** The following lectures are given on a monthly basis over a two year cycle.

1. Complications of Total Joint Arthroplasty-An Overview
2. Basic Principles of Cemented Total Joint Arthroplasty
3. Basic Principles of Un-cemented Total Joint Arthroplasty
4. Hip; Surgical Approaches and Anatomical Considerations
5. Biomechanics of the Hip
6. Hip; Osteotomies and Other “Lesser” Surgeries
7. Total Hip Replacement-Component Design
8. Total Hip Arthroplasty- Demand Matching-Choosing the Implant
9. Osteonecrosis
10. The Treatment of the Infected Total Joint
11. Dislocation of the Total Hip
12. Osteolysis and Aseptic Loosening
13. Results of Total Hip Arthroplasty
14. Revision Total Hip Arthroplasty
15. Knee- anatomy, biomechanics and approaches
16. Knee-Ligament Balancing-The “Holy Grail”
17. Knee; Osteotomies and Other “Lesser” Surgeries
18. Total Knee Arthroplasty-Component Design
19. Results of Total Knee Arthroplasty
20. Revision Total Knee Arthroplasty
21. Bearing Materials- Poly-Ethylene, Ceramic and Metal-Metal
22. Managing Blood Loss in Total Joint Arthroplasty
23. Anesthetic Considerations in Total Joint Arthroplasty
24. Tough Primaries- Hemophilia, JRA, Paget’s, Renal Transplant

**MEETINGS ATTENDED:** "Methylmethacrylate." Clyburn, T.A. and Smith, T.K.,  
Annual Edward T. Smith Orthopaedic Lectureship, 1981.

"A New Technique of Intramedullary Rodding in  
Osteogenesis Imperfecta." Robertson, D.B., Moor, T.O.,

and Clyburn, T.A., Tenth Annual Shrine Lectureship (Houston), 1982.

"Adamantinoma - Limb Salvage Procedures,"  
Clyburn, T. A., Murray, J.M., Ayala, A.  
Western Orthopaedic Association Annual Meeting, 1983.

"Atlantoaxial Instability in Children."  
Clyburn T.A. and Donovan, M.D.  
Cervical Spine Research Society, Palm Beach, Florida,  
1983.

"Dynamic External Fixation in the Treatment of Fractures of the Distal Radius." Scientific Exhibit, AAOS, Atlanta, Georgia, 1984.

"Chondroblastoma." Clyburn, T.A. and Murray, JA.  
Annual Edward T. Smith Orthopaedic Lectureship, 1984.  
"Osteoblastoma - The M.D. Anderson Experience."  
Annual Edward T. Smith Orthopaedic Lectureship, 1984.

"Dynamic External Fixation of Fractures of the Distal Radius." AAOS, Las Vegas, Nevada, 1985.

"Dynamic External Fixation of Fractures of the Distal Radius." Eleventh International Conference on Hoffman External Fixation, Toronto, Ontario Canada, September 20, 1985.

Thirteenth Annual Shrine Lectureship  
Houston, Texas, March 15, 1985.

Instructional Course in Total Hip Replacement  
Autophor/Xenophor, Valbella-Lenzerheide,  
Switzerland, March 29-April 3, 1985.

Seventh Annual St. Luke's Orthopaedic Pathology Lectureship. Houston, Texas, September 13, 1985.

Surgical Grand Rounds Presentation at St. Joseph Hospital, "State of Total Joint Replacement," Houston, Texas, 1986.

Maine Orthopaedic Review, Accredited by the Mid-Maine Medical Center, Waterville for 74 hours. June 15-28,

1986.

Eighth Annual St. Lukes Orthopaedic Pathology Lectureship, Houston, Texas, December 12-13, 1986.

American Academy of Orthopaedic Surgery,  
San Francisco, California, January 21-22, 1987.  
The Knee Society Annual Meeting,  
San Francisco, California, January 21-22, 1987.

University of London Royal Postgraduate Medical School, London, England, September 2-4, 1988.

Hermann Hospital Life Flight Emergency Care Symposium, Houston, Texas, March 14-16, 1988.

“Dynamic External Fixation of Fractures of the Distal Radius.” Zimmer Conference, Vail, Colorado, March 24, 1988.

“A Comparison of Curved and Straight Long Stem Revision Prostheses.” Biomet Conference, Vail, Colorado, March 23-25, 1988.

Conference on Upper Extremity Trauma, University of Toronto, Toronto, Ontario Canada, September 23-24, 1988.

Instructional Course in Hip and Knee Reconstructive Surgery. Western Orthopaedic Society Annual Meeting, Kauai, Hawaii, October 12-14, 1988.

The Edward T. Smith Orthopaedic Lectureship, Disorders of the Foot. The University of Texas Medical School at Houston, Houston, Texas, November 18, 1988.

American Academy of Orthopaedic Surgery, Las Vegas, Nevada, February 9-14, 1988.

Instructional Course in Total Joint Replacement Presented by the Joint Implant Surgery and Research Foundation, St. Thomas, U.S. Virgin Islands, April 19-23, 1989.

The University of Texas Medical Branch at Galveston Grand Rounds, “Dynamic External Fixation of Fractures of the Distal Radius.” Houston, TX, May 24, 1989

The Edward T. Smith Orthopaedic Lectureship,  
"Controversies in Total Knee Replacement." The  
University of Texas Medical School at Houston,  
Houston, Texas, September 8-9, 1989.

St. Joseph Hospital Orthopaedic Symposium for the  
Primary Care Physician. St. Joseph Hospital, Houston,  
Texas, September 22-23, 1989.

Conference on Utilization of External Fixation in  
Orthopaedics and Traumatology. Madrid, Spain,  
March 28-30, 1990

Total Joint Replacement, Arthritis of the Knee and Hip-  
Practical Surgical Management for 1990's, Presented by  
Joint Implant Surgery and Research Foundation Hilton  
Head, S.C., May 9-10, 1990

Depuy Conference on Current Concepts in Revision Total  
Hip Replacement, Houston, TX, June 1-2, 1990

Instructional Course in Total Joint Replacement Presented  
by the Joint Implant Surgery and Research Foundation at  
the Texas Medical Association 123rd Annual Session

Arthritis of the Hip and Knee, Presbyterian-Saint Luke's  
Medical Center, Vail, Colorado, March 16-18, 1991

Lumbar Spine Segmental Internal Fixation Course,  
The University of Texas Health Science Center at  
San Antonio, Texas, April 10-12, 1992

28th Annual Orthopaedic Symposium, Recent Advances In  
Lumbar Spine Surgery: Diagnosis and Management, St.  
Luke's Episcopal Hospital, Houston, Texas,  
April 24 and 25, 1992

Arthritis of the Hip and Knee, Practical Surgical  
Management for the 1990's, Vail, Colorado,  
March 20-23, 1993

29th Annual Orthopaedic Symposium, Diagnosis and  
Treatment of Diseases of the Cervical Spine, St. Luke's  
Episcopal Hospital, Houston, Texas, April 23 and 24, 1993

Global Shoulder Learning Center, San Antonio, Texas,

May 10, 1993

The Clyburn Dynamic Colles Fixator Zimmer, Inc.,  
Madrid, Spain, June 7-8, 1993

Preparing for the Clinton Health Plan, Houston, Texas  
August 4, 1993

Radionuclide Synovectomy In Hemophilia,  
Los Angeles, California, August 21, 1993

Holmium Laser Arthroscopy and Disk Decompression,  
Houston, Texas, October 2, 1993

Current Topics in Spine Surgery U. T. Medical School,  
Houston, Texas, October 29 and 30, 1993

Third Annual Meeting of the American Association of Hip  
and Knee Surgeons, Dallas, Texas, November 12-14, 1993

AAOS 61st Annual Meeting  
New Orleans, LA, February 24 - March 1, 1994

Complex Distal Radius Fractures  
A Laboratory Course for the Practicing Surgeon  
San Francisco, California, May 12-14, 1994

Advances in Total Joint Arthroplasty  
Park City, Utah, January 19-21, 1995

St. Luke's 31st Annual Orthopaedic Symposium  
Houston, TX, April 28-29, 1995

Advances in Total Joint Arthroplasty  
Park City, Utah, January 18-20, 1995

AAOS - 1996 Annual Convention  
Atlanta, Georgia, February 21-26, 1996

AAOS 12<sup>th</sup> Annual Comprehensive Review Course for  
Orthopaedic Surgeons, Chicago, IL, March 17-22, 1996

St. Luke's 32<sup>nd</sup> Annual Orthopaedic Symposium  
Houston, TX, April 19-20, 1996

Orthopaedic Management in Hemophilia

The University of Texas Grand Rounds,  
Houston, TX, April 25, 1996

Orthopaedic Management of Hemophilia,  
University of Jamaica, Kingston, Jamaica, May 9, 1996

Advances In Total Joint Arthroplasty  
Snow Mass, Colorado, January 23-26, 1997  
AAOS 64<sup>th</sup> Annual Meeting,  
San Francisco, California, February 13-17, 1997

The University of Texas – Houston, Grand Rounds,  
Improvements in Cement Techniques for Femoral  
Components of Total Hip Arthroplasty, Houston, TX,  
April 17, 1997

The University of Texas – Houston, Grand Rounds,  
Dynamic External Fixation of Colles' Fractures: Twelve  
Years of Clinical Experience and New Studies of  
Kinematics of the Wrist, Houston, TX, April 17, 1997

Texas Orthopaedic Association, Improvements in Cement  
Techniques for Femoral Components of Total Hip  
Arthroplasty, Houston, TX, May 16-17, 1997

Texas Orthopaedic Association, Dynamic External  
Fixation of Colles' Fractures: Twelve Years of Clinical  
Experience and New Studies of Kinematics of the Wrist,  
Houston, TX, May 16-17, 1997

Southern Orthopaedic Association 14<sup>th</sup> Annual Meeting  
Pebble Beach, California, July 24-16, 1997

The University of Texas Edward T. Smith Lectureship,  
Soft Tissue Tension and Balance: The Key to Shoulder  
Arthroplasty, Houston, TX, November 7, 1997

Advances in Total Joint Arthroplasty, Wright Medical,  
Snowmass, CO, January 22-24, 1998

The University of Texas – Houston, Grand Rounds, Severe  
Fractures of the Distal Radius & Update, Houston, TX,  
April 30, 1998

International Complex Distal Radius Course  
San Francisco, CA, May 8-10, 1998

Chairman and Moderator, "Chondrocytes Cartilage Transplantation," The University of Texas Health Science Center – Houston, Houston, TX, May 16, 1998

"Total Hip Arthroplasty," Nanjing University Hospital  
Nanjing, P.R., China, June 26, 1998

"Total Hip Arthroplasty," Nanfang Hospital of the First  
Military Medical University, Guangzhou, P.R. China,  
June 30, 1998

"Preliminary Findings of Fibrin as a Hemostatic Agent for  
Bone" Beriplast-P Surgery Advisory Board,  
Colorado Springs, CO, July 17-18, 1998

American Academy of Hip and Knee Surgeons Annual  
Fall Meeting, Dallas, TX, November 6-8, 1998

"Improved Techniques in Cemented Total Hip  
Arthroplasty," Egyptian Orthopaedic Association,  
Cairo, Egypt, November 16-19, 1998

"The Treatment of Complicated Distal Radial Fractures,"  
Egyptian Orthopaedic Association,  
Cairo, Egypt, November 16-19, 1998

"Advances in Total Joint Arthroplasty," Wright Medical,  
Snowmass, CO, January 14-16, 1999

American Academy of Orthopaedic Surgeons 66<sup>th</sup>  
Annual Meeting Anaheim, CA, February 4-8, 1999

Mid-America Orthopaedic Association Seventeenth  
Annual Meeting, Southampton Princess, Bermuda,  
April 14-18, 1999.

Total Joint Arthroplasty, Current issues, Concepts and  
Considerations, Kiawah, Island, S.C.,  
September 24-25, 1999.

Southern Medical Association 93<sup>rd</sup> Annual Scientific  
Assembly, Dallas, Texas, November 10-14, 1999.

"Total Hip Arthroplasty - State of the Art,"  
Program Director, Edward T. Smith Orthopaedic

Lectureship, The University of Texas-Houston Medical School, Houston, Houston, TX, November 5, 1999.

"A Comparative Study of Two Cement Techniques of the Femur" 93<sup>rd</sup> Annual Southern Medical Association, Dallas, TX, November 12, 1999.

"Cadaveric & Clinical Study of Colles Fracture Fixation Utilizing a Mechanical Reduction Device," 93<sup>rd</sup> Annual Southern Medical Association, Dallas, TX, November 12, 1999.

"American Academy of Orthopaedic Surgeons 67<sup>th</sup> Annual Meeting," Orlando, FL, March 15-19, 2000

"The Spectrum of Orthopaedics, Trauma and Spine" Hilton Head, SC, April 13-15, 2000

"Oral Examiner," American Board of Orthopaedic Surgeons, Chicago, IL, July 10-13, 2000

"American Academy of Orthopaedic Surgeons 68<sup>th</sup> Annual Meeting," San Francisco, CA, February 28-March 4, 2001

"Techniques in Total Joint Replacement," Memphis, TN, June 29, 2001

"Radiosynovectomy in Hemophilia," Annual Gulf States Hemophilia Conference, Houston, TX, May 4, 2002

"Orthopedic Speakers Workshop," Las Vegas, NV, May 17-19, 2002

"AAHKS 12<sup>th</sup> Annual Meeting," Dallas, TX, November 1-3, 2002

"13<sup>th</sup> Annual Winter Total Joint and Sports Medicine Symposium," Park City, Utah, January 15-19, 2003

"AAOS 70<sup>th</sup> Annual Meeting," New Orleans, LA, February 4-9, 2003

"Tenth Annual Masters Series Techniques in Arthritis Surgery," Pasadena, CA, April 3-5, 2003

“Western Orthopaedic Association 67<sup>th</sup> Annual Scientific Meeting,” San Antonio, TX, October 17-22, 2003.

“Region VI Annual Hemophilia Providers Meeting”  
Houston, TX, February 5-8, 2004

“Combined Specialty Day,” Annual Meeting, American Association of Hip and Knee Surgeons, San Francisco, CA, March 13, 2004

Western Orthopaedic Association 69<sup>th</sup> Annual Scientific Meeting  
The Big Island of Hawaii, July 21 – 23, 2005

HICPAC Meeting  
Centers for Disease Control and Prevention  
National Center for Infectious Diseases  
Atlanta, GA, February 8 – 10, 2006

American Association of Hip and Knee Surgeons, Dallas, TX. November, 2006.

Birmingham Hip Course, Smith and Nephew, Las Vegas, NV, December 15<sup>th</sup>, 2006.

Oxford Knee Certification Course, Biomet, Atlanta, GA  
January 18<sup>th</sup>, 2007.

AAOS, San Diego California, February, 2007.

Combined Specialty Day, San Diego California, 2007.

International Conference of Orthopaedics, Monterrey Mexico, September, 2008.

American Association of Hip and Knee Surgeons, November, 2008.

Colegio De Ortopedia, Monterrey MX, September, 2009.

American Association of Hip and Knee Surgeons, November, 2009.

American Association of Orthopaedic Surgeons and

Combined Specialty Day 2010.